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New Frontiers Program 2003  
AO 03-OSS-03  
Concept Study Kickoff Meeting***

**Concept Study Requirements**

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# *Concept Study Overview*

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## **New Frontiers Program 2003 AO, Section 1.2 and 7.3**

- Concept study is 7 months with Concept Study Reports due on March 17, 2005.
- Each Concept Team to receive \$1.2M (real year dollars)
- Tom Morgan, New Frontiers Program Scientist, will be the overall Chair of the Evaluation Team.
- Brad Perry, New Frontiers Acquisition Manager, will Co-Chair & lead the TMCO evaluation.
- Final reports must be delivered to NPRS NLT 3/17/05 4:30 p.m. EST.
  - Signed Original and 60 copies.
  - No late changes or errata sheets, no exceptions.
  - NPRS address and contact information is in the AO.
- Site Visits will be discussed by Brad Perry later in the Kickoff Meeting.



# ***Relevant Documents***

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## **New Frontiers Program Library:**

- <http://newfrontiers.larc.nasa.gov/newfrontiers/NFPL.html>
- Criteria and Guidelines for the Phase A Concept Study.
- Example of Mission Definition and Requirements Agreement and International Agreement.

## **Downselect 2004 Information:**

- <http://newfrontiers.larc.nasa.gov/newfrontiers/phaseAconceptstudy.html>
- Phase A Concept Study updates.
- Announcements.



# *Concept Study Report Content*

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- **Selections were primarily based on Science Merit.**
  - Unless Concept Study results demand it, Science should not change.
  - Science section from Proposal **MUST** be repeated in the Concept Study Report.
  - Any and all changes must be highlighted.
  - **Unless the Science has changed**, the Downselect Evaluation will emphasize implementation.
- **Implementation: Feasibility of the Proposed Approach for Mission Implementation Including Cost Risk.**
  - Details of instrument strategy, sensitivities, and implementation are required.
  - Block diagrams, instrument, and observation table should be updated with design details.
  - Details of data management are also required including analysis, archiving, curation if samples are returned, publication, and release to public.



# *Evaluation Criteria*

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- **Evaluation Criteria for Concept Study:**
  - **Scientific Merit of the Proposed Investigation:** Not reevaluated unless there is a change made.
  - **Technical Merit and Feasibility of the Proposed Investigation:** Per Concept Study Guidelines.
  - **Feasibility of the Proposed Approach for Mission Implementation Including Cost Risk:** Per Concept Study Guidelines and as discussed in TMC0 section of Briefing.
  - **Quality of Plans for Education/Public Outreach Including Implementation Feasibility** will be evaluated per the Concept Study Guidelines and as discussed in TMC0 section of Briefing.
- **Total Mission Cost to NASA:** This is equal to proposed cost and is not evaluated.

**Note:** Proposed Cost will be a selection factor and cannot increase from proposed cost by more than 20% or exceed the total \$700M (FY03) cost cap.



# *Competition Conditions*

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- **“Blackout” after the Kickoff Meeting.**
  - Communications after this meeting will be controlled.
  - Technical and expert advice should be obtained directly from identified Points of Contact (POC's).
  - All programmatic questions, including questions of policy, questions of interpretation, and questions of clarification, should come to HQ/Tom Morgan.
  - Answers as applicable will be provided via New Frontiers Program Acquisition Homepage and emailed to PI's.
  - Site visit details will be coordinated with LaRC/Brad Perry.